67235

Impact melt Breccia

936 grams

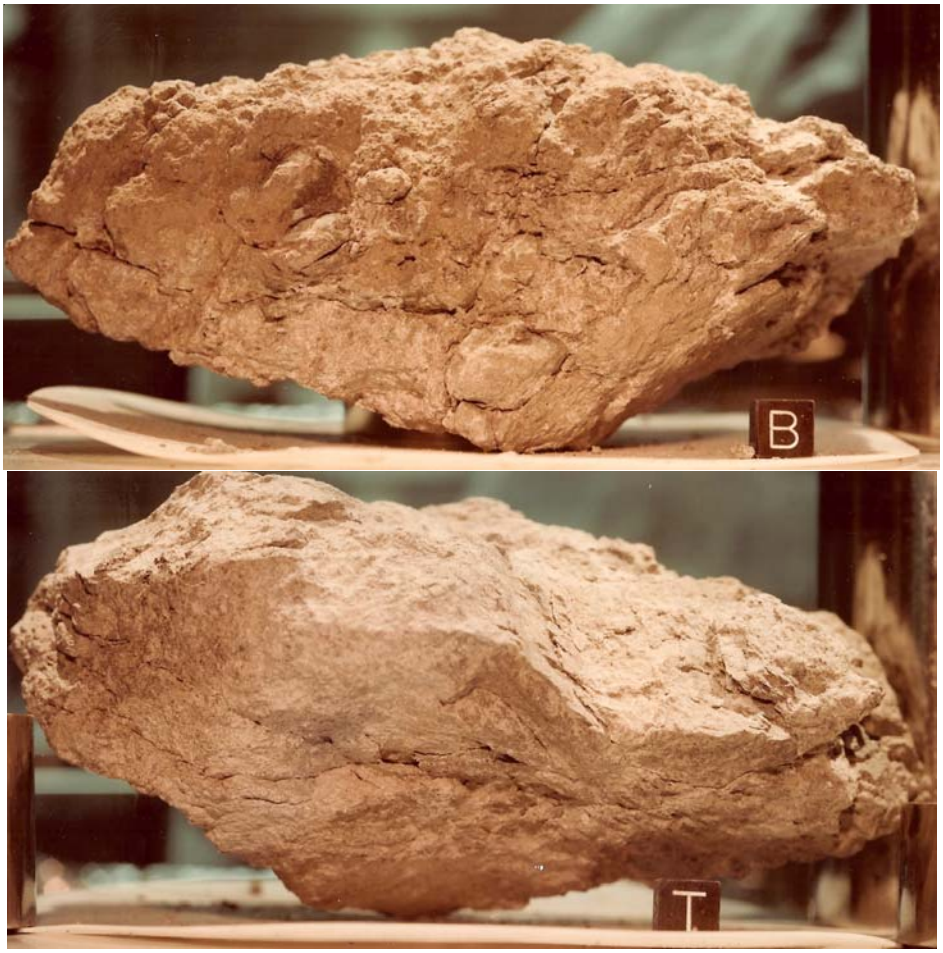


Figure 1: Top and bottom of 67235. Cube is 1 cm. S80-30317 and 318

Introduction

67235 is a large special sample that was collected to study the outer surface of a lunar rock. It was returned in a special padded bag. However, 40 years later, it has still not been studied.

67235 was apparently found to lack special surface features. It breaks into small coherent rhombs. It appears to be homogeneous throughout.

This rock should be dated – probably by Ar/Ar.

Petrography

Two thin section, both from the same location, show 67235 to be a poikilitic impact melt rock (figure 2). Pyroxene oikocrysts enclose fragments of plagioclase. Ilmenite occurs as clumps between pyroxene oikocrysts. This texture is consistent with impact melt rock.

Chemistry

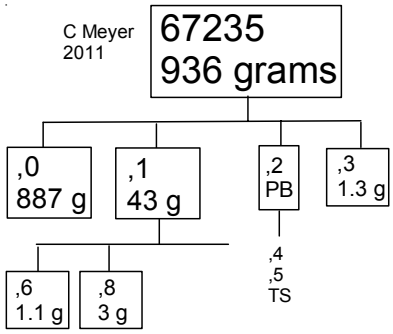
None

Processing

67235 has not been sawn, nor much disturbed.

Figure 2a: Thin section 67235,4. 1 cm across.

Figure 2b: Thin section 67235,5.



References for 67235.

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